SFUND RECORDS CTR 110328

Lockheed Martin Corporation Corporate Environment, Safety & Health West Coast Projects Office 2550 North Hollywood Way, 3rd Floor, Burbank, CA 91505-1055 Facsimile 818-847-0256 or 818-847-0170

LOCKHEED MARTIN

November 28, 2001

Mr. Gerard J. Thibeault Executive Officer California Regional Water Quality Control Board Santa Ana Region 3737 Main Street, Suite 500 Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the September 2001 production well sampling report prepared by Earth Tech for Lockheed Martin Corporation. This report presents results from samples collected at Bunker Hill Basin production wells in September 2001.

Should you have any questions or comments, please contact me at 818-847-0296.

Sincerely,

Gene Matsushita

Can Muliustok

GM:lg

Attachment

c: See Distribution List

Mr. Gerard J. Thibeault November 28, 2001 Page 2

Distribution List

(Abbreviated Report without Attachments "A" & "B", which are available upon request)

Kim Alexander, Psomas Engineering

Chris Bahnsen, San Bernardino Valley Water Conservation District

Kalyanpur Baliga, Department of Health Services (San Bernardino)

Mary Bridgewater, Department of the Air Force, AFBCA

W. William Bryden, City of San Bernardino

Tom Crowley, San Bernardino Valley Water Conservation District

Dodie Farmer, Victoria Farms Mutual Water Company

Douglas Headrick, City of Redlands

Ross Lewis, Gage Canal Company

Steve Mains, Western Municipal Water District

Morris Matson, Loma Linda University

✓ Kevin Mayer, US EPA (Region IX)

Eugene McMeans, Riverside Highland Water Company

Zahra Panahi, City of Riverside

Dan Randall, City of Riverside

Bob Reiter, San Bernardino Valley Municipal Water District

Steve Williams, Department of Health Services (San Diego)

Alain Sharp, Earth Technology Corporation

Greg Snyder, City of Loma Linda

Glen Thomas, Mountain View Power Company

Dieter Wirtzfeld, City of Riverside

Mr. Gerard J. Thibeault November 28, 2001 Page 3

bc: Gallop, Johnson & Neuman

101 S. Hanley Road St. Louis, MO 63105 Attn: Michael Re

Highland Supply Corporation 111 Sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W Enterprises, Inc. 1500 Crafton Avenue P.O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder Mr. Gerard J. Thibeault November 28, 2001 Page 4

bc: Doug Goins, LMC-Legal (Denver)
Ian Hutchison, TRC (Irvine)
Gail Rymer, LMC-Communications (Bethesda)
Bob Simpson, LMC (Riverside)
Matt Werner, Earth Tech (Long Beach)

w/o attach: John Wiggin, LMC

RED Chron File – RED1101/075 WBS #48720 Redlands Repository

RED075 WSCP ProdWellSampling0901.doc

Telephone

Facsimile

562.951.2100

562.951.2000

November 26, 2001

Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3rd Floor Burbank, California 91505

Attention:

Mr. Gene Matsushita

Project Supervisor

Subject:

September 2001 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project

Dear Mr. Matsushita:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of September 2001. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the September 2001 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.



RESULTS

Summaries of the analytical results for the September 2001 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

Trichloroethene

Four groundwater samples collected in September met or exceeded $2/5^{th}$ the MCL for TCE (i.e., were greater than or equal to $2.0~\mu g/L$) including: Gage 26-1 (6.5 $\mu g/L$), Gage 27-1 (3.5 $\mu g/L$), Gage 29-2 (4.6 $\mu g/L$) and Gage 29-3 (6.9 $\mu g/L$). The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume.

TCE was detected in Richardson #1 at 1.1 µg/L.

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

Perchlorate

In the September WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to13.5 μ g/L) in Gage 29-2 (26 μ g/L), Gage 29-3 (46 μ g/L), Gage 51-1 (37 μ g/L) and Gage 92-1 (16 μ g/L).

Gage 29-2, Gage 29-3, Gage 51-1, Gage 66-1, Gage 92-1 and COLL Richardson #1 wells are currently being sampled twice a month for perchlorate, if active.

The sampling frequency for perchlorate in Gage 27-2 and Gage 29-1 were changed from twice a month to once a month, starting with the September sampling event. The reduction in sampling frequency was based on the WSCP perchlorate decision matrix provided as Figure 4. The average concentration of perchlorate in Gage 27-2 and Gage 29-1 during the previous three months was 9.7 µg/L and 7.9 µg/L, respectively.

Perchlorate was detected in Richardson #1 at 10 µg/L.

CLOSING

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E.

Program Director

Matthew Werner, R.G., C.E.G., C.H.

Project Manager

TABLES

TABLE 1

KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7th & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

May 2000, Mountain View #2 was decommissioned, and therefore removed from the WSCP Sampling Program.

October 2000, COLL Mountain View #4 and COLL Richardson #4 were added to the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TCE
City of Loma Lind	a		
3106	Mountain View #3	×	X
3171	Mountain View #4	X	X
693	Richardson #1	×	X
707	Richardson #3	X	X
3132	Richardson #4	X	X
City of Loma Lind	a Water System Sampling Points		· ,
2967	Mountain View Blend - Lawton	X	X
2968	Richardson Blend	X	X
Southern Californ	ia Edison		
554	SCE #2 (AUX)	1 × 1	X
Loma Linda Unive			
267	LL Univ Anderson #2	X	
717	LL Univ Anderson #3	X	
City of Riverside			
252	Gage #26-1	X	X
258	Gage #27-1	X	X
259	Gage #27-2	X	X
260	Gage #29-1	X	X
219	Gage #29-2	X	X
220	Gage #29-3	X	X
218	Gage #30-1	X	X
214	Gage #31-1	X	X
215	Gage #46-1	$\frac{1}{x}$	X
253	Gage #51-1	$\frac{1}{x}$	X
216	Gage #56-1	X	X
257	Gage #66-1	X	X
644	Gage #92-1	X	X
641	Gage #92-2	 X	X
642	Gage #92-3	X	X
3091	Gage #98-1	X	X
	(Waterman System)		
273	Hunt #6	X	
271	Hunt #10	X	
272	Hunt #11	X	
	Water System Sampling Points		
2946	Ilowa Booster (Waterman)	X	X
2947	Gage Delivery (Gage)	$\frac{\hat{x}}{x}$	×
2948	7th & Chicago (Reservoir)	$\frac{\hat{x}}{x}$	X
3018	Gage Arlington	$+\frac{\hat{x}}{\hat{x}}$	
City of Redlands	13-7 111131211		
542	COR Church St	TX	
2673	COR #38	$\frac{1}{x}$	
535	COR Mentone Acres	$+\frac{x}{x}$	
29	COR Orange St	$\frac{1}{x}$	
74	COR Rees	$+\frac{\hat{x}}{\hat{x}}$	X
Notes:	100.11000		

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

WSCP PRODUCTION WELL SAMPLING PROGRAM SEPTEMBER 2001 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TCE
City of Loma Li	nda		
693	Richardson #1	X	
City of Riverside	e (Gage System)		
219	Gage #29-2	X	
220	Gage #29-3	X	
253	Gage #51-1	X	
257	Gage #66-1	X	
644	Gage #92-1	X	

Notes:

TCE = Trichloroethene
Perchlorate analyzed using DHS Method (EPA 300.0 Modified)
TCE analyzed using EPA Method 502.2

TABLE 4

WSCP PRODUCTION WELL SAMPLING PROGRAM SEPTEMBER 2001 DATA RESULTS

Well Number	Well Name	-	Perchlorate (ug/L)	TCE (ug/L)
		Sample Date	Del Mar	Del Mar
City of Loma Lind	a		1	
3106	Mountain View #3 ⁶	NS	NS I	NS
3171	Mountain View #4°	9/5/01	ND (4.0)	ND (0.5)
693	Richardson #1*	9/5/01	9.7	1.1
693	Richardson #1* (Duplicate)	9/5/01	10	1.1
693	Richardson #1*	9/17/01	9.4	NA NA
707	Richardson #3 ^a	NS	NS	NS
3132	Richardson #4	9/5/01	ND (4.0)	ND (0.5)
City of Loma Lind	a Water System Sampling Points			
2967	Mountain View Blend - Lawton	NS	NS NS	NŠ
2968	Richardson Blend	9/5/01	ND (4.0)	ND (0.5)
Mountain View Po	ower (Formerly Southern California Ed			
554	SCE #2 (AUX) ^a	NŞ	NS	NS
Loma Linda Unive				
267	LL Univ Anderson #2	9/5/01	ND (4.0)	NÁ
717	LL Univ Anderson #3	9/5/01	ND (4.0)	NA NA
City of Riverside		· · · · · · · · · · · · · · · · · · ·		
252	Gage #26-1 ^b	9/4/01	6.7	6.5
258	Gage #27-1 ^b	9/4/01	6.2	3.5
259	Gage #27-2	9/4/01	9.3	NA
260	Gage #29-1	9/4/01	6.7	NA
219	Gage #29-2 ^{6*}	9/4/01	26	4.6
219	Gage #29-2 ^{b*}	9/17/01	25	NA
220	Gage #29-3 ^{b*}	9/4/01	45	6.9
220	Gage #29-3 ^{b*} (Duplicate)	9/4/01	46	6.9
220	Gage #29-3 ^{b*}	9/17/01	44	NA
220	Gage #29-3b* (Duplicate)	9/17/01	45	NA
218	Gage #30-1ª	NS	NS	NS
214	Gage #31-1	9/4/01	5.7	NA
215	Gage #46-1	9/4/01	8.8	NA
253	Gage #51-1	9/4/01	33	1.3
253	Gage #51-1	9/17/01	37	NA NA
216	Gage #56-1 ^a	NS	NS	NS
257	Gage #66-1*	9/4/01	12	0.99
257	Gage #66-1*	9/17/01	13	NA
644	Gage #92-1 ^{b*}	9/4/01	14	0.94
644	Gage #92-1 ^{b*}	9/17/01	16	NA
641	Gage #92-2 ^a	NS	NS	NS
642	Gage #92-3 ^a	NS	NS	NS
3091	Gage #98-1	NS	NS	NS
	(Waterman System)	.1		······································
273	Hunt #6	9/17/01	5.8	NA
271	Hunt #10	9/5/01	6.0	NA
272	Hunt #11	9/5/01	5.9	NA
272	Hunt #11 (Duplicate)	9/5/01	5.7	NA NA
	Water System Sampling Points			
2946	Iowa Booster (Waterman)	9/4/01	ND (4.0)	ND (0.5)
2947	Gage Delivery (Gage)	9/4/01	11.0	ND (0.5)
2948	7th & Chicago (Reservoir)	9/4/01	6.9	ND (0.5)
3018	Gage Arlington	9/4/01	7.4	NA NA
City of Rediands		Ţ	· · · · · · · · · · · · · · · · · · ·	
542	COR Church St ^a	NS	NS	NS
2673	COR #38ª	NS	NS	NS
535	COR Mentone Acres	NS	NS	NS
29	COR Orange St ^a	NS	NS	NS
74	COR Rees	9/5/01	4.7	NA ·

Notes

= Wells currently being sampled twice monthly for perchlorate and/or TCE

ND(4) = Not detected at the specified limit

NA = Not Analyzed
NS = Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

a = Well sampled on quarterly basis, if active

b = TCE treatment is installed

c =Water purged to waste and not into system

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS SEPTEMBER 2001 SAMPLING EVENT

		-	Depth to	Measuring Point	Groundwater				
Well Number	Well Name	Measure Date	Water	Elevation	Elevation	Comments			
City of Loma Lind									
3106	Mountain View #3	9/4/01	133	1086	953	Pumping			
3171	Mountain View #4	9/4/01	258	1106	848	Pumping			
693	Richardson #1	9/4/01	196	1077	881	Pumping			
707	Richardson #3	9/10/01	167	1078.69	911.69	Pumping			
3132	Richardson #4	9/4/01	186	1074	888	Pumping			
	ower (Formerly Southern Californ	nia Edison)	I.,	·	L				
554	SCE #2 (AUX)	9/4/01	NM	1100	NM	Static			
Loma Linda Unive			*	<u> </u>	L				
267	LL Univ Anderson #2	9/5/01	NM	1075	NM	Pumping			
717	LL Univ Anderson #3	9/5/01	NM	1070	NM	Pumping			
City of Riverside		<u> </u>	I.,		L	· · · · · · · · · · · · · · · · · · ·			
252	Gage #26-1	9/4/01	101.10	1045.33	944.23	Pumping			
258	Gage #27-1	9/4/01	95.20	1044.64	949.44	Pumping			
259	Gage #27-2	9/4/01	93.30	1044.64	951.34	Pumping			
260	Gage #29-1	9/4/01	91.80	1044.43	952.63	Pumping			
219	Gage #29-2	9/4/01	89.40	1046.31	956.91	Pumping			
220	Gage #29-3	9/4/01	97.80	1048.75	950.95	Pumping			
218	Gage #30-1	9/4/01	193.70	1054.17	860.47	Pumping			
214	Gage #31-1	9/4/01	117.70	1054.64	936.94	Pumping			
215	Gage #46-1	9/4/01	117.90	1065.5	947.6	Pumping			
253	Gage #51-1	9/4/01	210.20	1044.64	834.44	Pumping			
216	Gage #56-1	9/4/01	195.40	1065.5	870.1	Pumping			
257	Gage #66-1	9/4/01	150.40	1044.85	894.45	Pumping			
644	Gage #92-1	9/4/01	200.20	1047.78	847.58	Pumping			
641	Gage #92-2	9/4/01	220.40	1053.38	832.98	Pumping			
642	Gage #92-3	9/4/01	219.90	1058.78	838.88	Pumping			
3091	Gage #98-1	9/4/01	205.30	1058.78	853.48	Pumping			
City of Riverside	(Waterman System)					-			
273	Hunt #6	9/17/01	NM	1015.5	NM	Štatic			
271	Hunt #10	9/5/01	NM	1017	NM	Pumping			
272	Hunt #11	9/5/01	NM	1015.7	NM	Static			
City of Redlands			, ,						
542	COR Church St	9/5/01	131.0	1344.8	1213.8	Pumping			
2673	COR #38	9/5/01	162.0	1193	1031	Pumping			
535	COR Mentone Acres	9/5/01	238.0	1506.4	1268.4	Pumping			
29	Cor Orange St	9/5/01	139.0	1282	1143	Pumping			
74	COR Rees	9/5/01	294.0	1490	1196	Pumping			

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

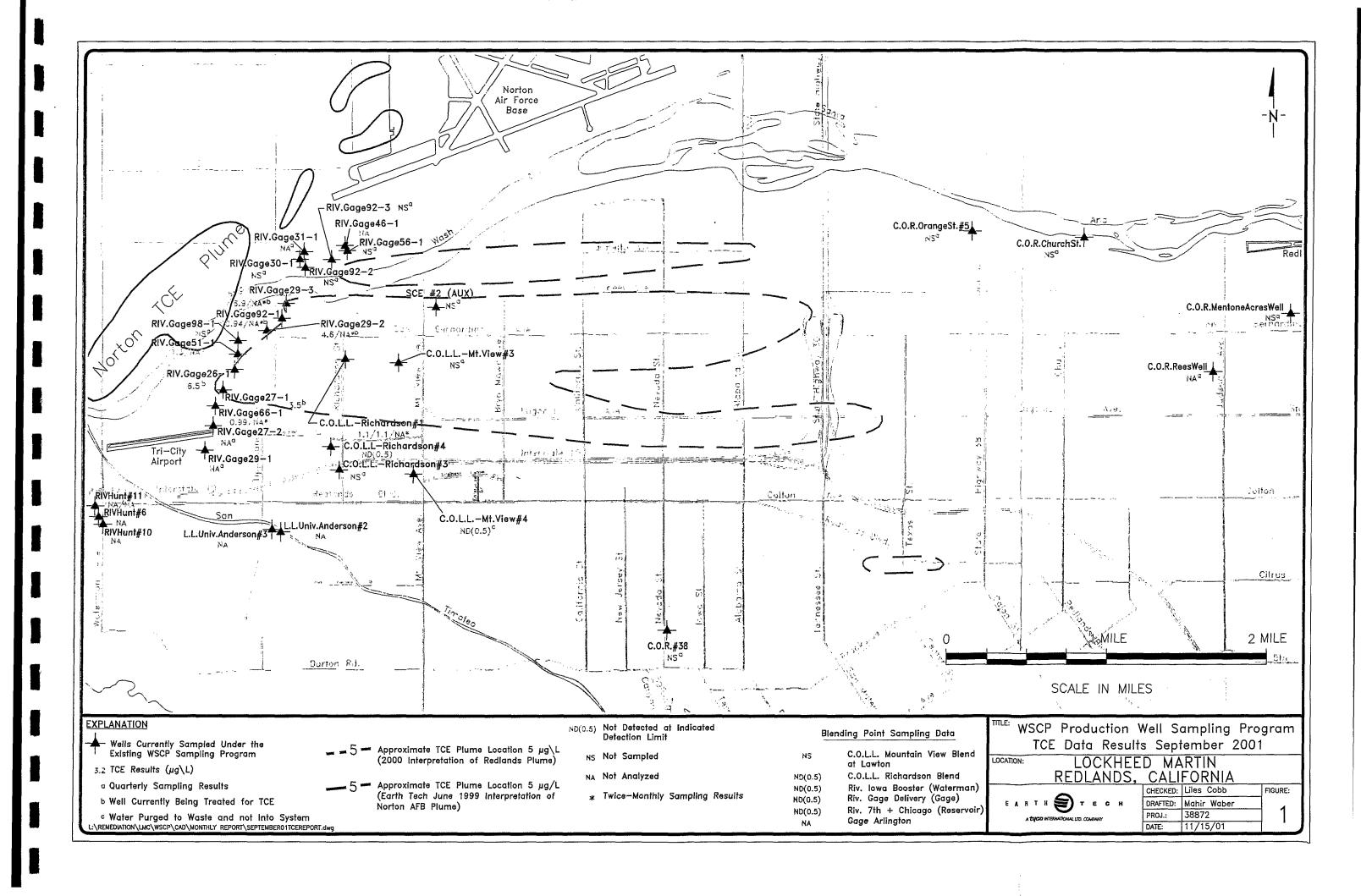
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

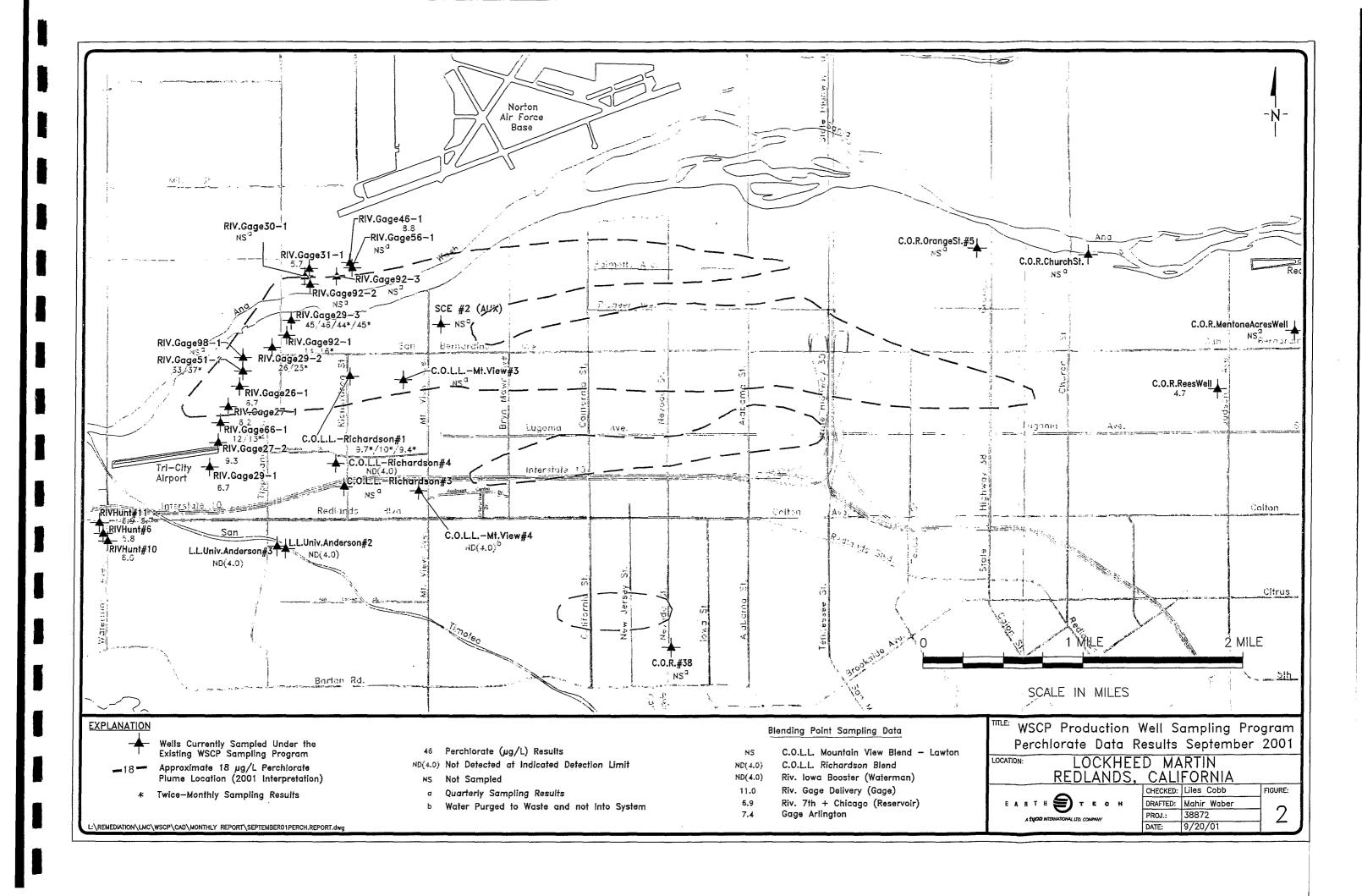
TABLE 6

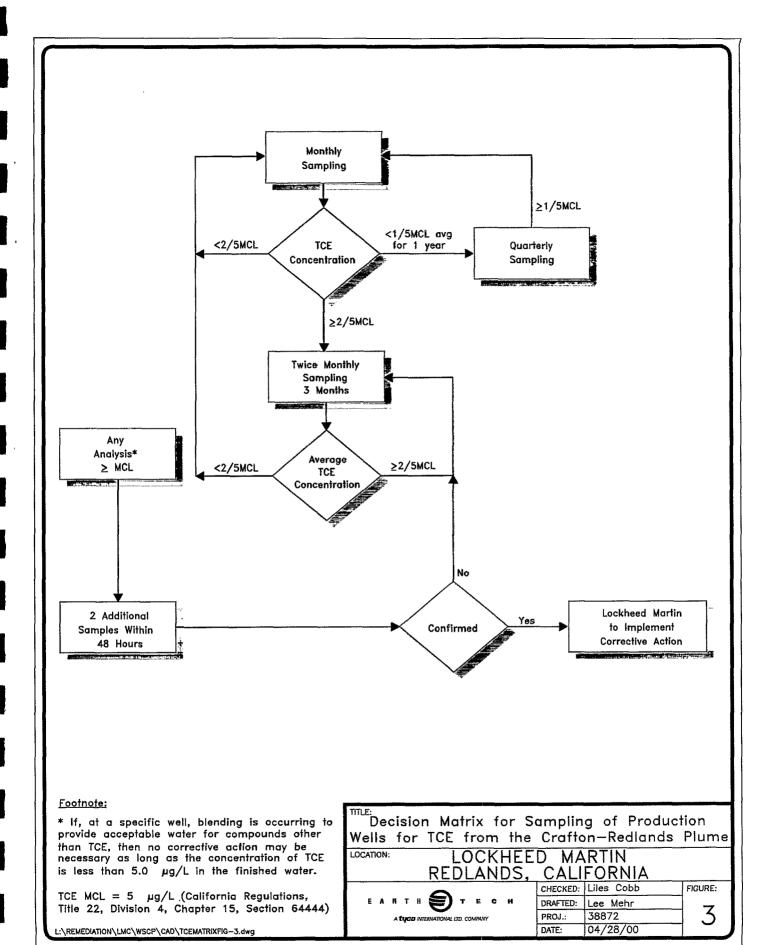
WSCP PRODUCTION WELL SAMPLING PROGRAM SEPTEMBER 2001 SAMPLE IDENTIFICATIONS

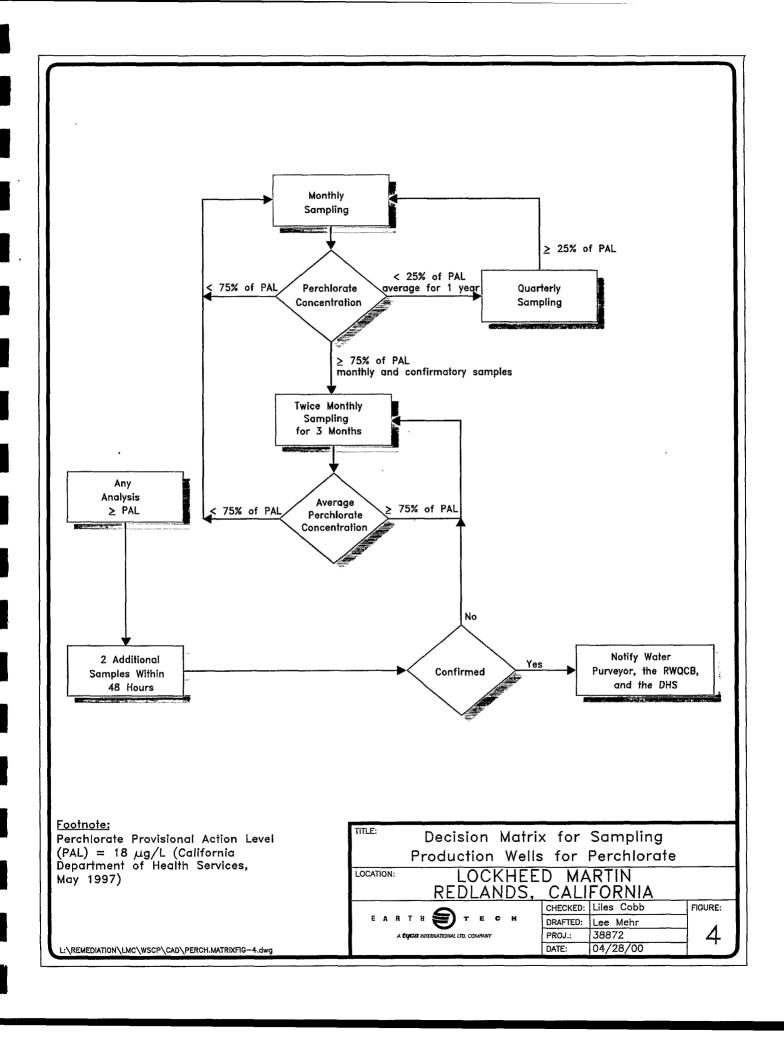
Well Number	Well Name		Sample	Sample Number	Analyzed for	Analyzed for
		Sample Date	Time	Identification	Perchlorate	TCE
City of Loma Lind						·
3106	Mountain View #3	NS	NS	NS	NS	NŠ
3171	Mountain View #4	9/5/01	11:00	GW-9-20	Yes	Yes
693	Richardson #1	9/5/01	9:45	GW-9-17	Yes	Yes
693	Richardson #1 (Duplicate)	9/5/01	9:50	GW-9-18	Yes	Yes
693	Richardson #1	9/17/01	9:55	GW-9-28	Yes	No
707	Richardson #3	NS	NS	NS	NS	NS
3132	Richardson #4	9/5/01	10:30	GW-9-19	Yes	Yes
City of Loma Lind	a Water System Sampling Points					
2967	Mountain View Blend - Lawton	NS	NS "	NS NS	NS NS	NS
2968	Richardson Blend	9/5/01	11:40	GW-9-21	Yes	Yes
Mountain View Po	ower (Formerly Southern California E					
554	SCE #2 (AUX)	NŠ	NS	NS NS	ŃŚ	NŞ
Loma Linda Unive	ersity					
267	LL Univ Anderson #2	9/5/01	14:00	GW-9-23	Yes	NA NA
717	LL Univ Anderson #3	9/5/01	14:20	GW-9-24	Yes	NA
City of Riverside	(Gage System)					
252	Gage #26-1	9/4/01	15:55	ĞW-9-11	Yes	Yes
258	Gage #27-1	9/4/01	11:15	GW-9-1	Yes	Yes
259	Gage #27-2	9/4/01	12:20	GW-9-3	Yes	No
259	Gage #27-2	8/15/01	12:25	GW-8-34	Yes	No
260	Gage #29-1	9/4/01	13:00	GW-9-4	Yes	No
219	Gage #29-2	9/4/01	16:25	GW-9-12	Yes	Yes
219	Gage #29-2	9/17/01	11:25	GW-9-31	Yes	No
220	Gage #29-3	9/4/01	14:00	GW-9-6	Yes	Yes
220	Gage #29-3 (Duplicate)	9/4/01	14:05	GW-9-7	Yes	Yes
220	Gage #29-3	9/17/01	12:10	GW-9-33	Yes	No
220	Gage #29-3 (Duplicate)	9/17/01	12:15	GW-9-34	Yes	No
218	Gage #30-1	NS	NS	NS	NS	NS
214	Gage #31-1	9/4/01	14:40	GW-9-8	Yes	No
215	Gage #46-1	9/4/01	15:00	GW-9-9	Yes	No
253	Gage #51-1	9/4/01	15:30	GW-9-10	Yes	Yes
253	Gage #51-1	9/17/01	11:00	GW-9-30	Yes	No
216	Gage #56-1	NS	NS	NS	NS	NS
257	Gage #66-1	9/4/01	11:55	GW-9-2	Yes	Yes
257	Gage #66-1	9/17/01	10:35	GW-9-29	Yes	No
644	Gage #92-1	9/4/01	13:35	GW-9-5	Yes	Yes
644	Gage #92-1	9/17/01	11:50	GW-9-32	Yes	No
641	Gage #92-1	NS NS	NS NS	NS NS	NS	NS
642	Gage #92-3	NS NS	NS	NS NS	NS NS	NS
3091	Gage #98-1	NS NS	NS	NS NS	NS NS	NS NS
	(Waterman System)	1 119	,40		119	1 145
273	Hunt #6	9/17/01	12:55	GW-9-35	Yes	T NA
271	Hunt #10	9/5/01	15:25	GW-9-27	Yes	NA NA
272	Hunt #11	9/5/01	14:50	GW-9-25	Yes	NA NA
272	Hunt #11 (Duplicate)	9/5/01	14:55	GW-9-26	Yeş	NA NA
	Water System Sampling Points	3,0,01	17.00	J 944-9-60	1.03	1 11/2
2946	lowa Booster (Waterman)	9/4/01	17:05	GW-9-13	Yes	Yes
2947	Gage Delivery (Gage)	9/4/01	17:30	GW-9-13	Yes	Yes
2948	7th & Chicago (Reservoir)	9/4/01	17:55	GW-9-14	Yes	Yes
3018	Gage Arlington	9/4/01	18:10	GW-9-16	Yes	NA Yes
	loade willington	1 314101	10,10) 011-2-10	162	1 NA
City of Redlands	1000 6t 6t	1 475	110	NS NS	NS -	, <u>, , , , , , , , , , , , , , , , , , </u>
542	COR Church St	NS NS	NS			NS NS
2673	COR #38	NS NS	NS	NS	NS	NS
535	COR Mentone Acres	NS	NS	NS	NS	NS
29	COR Orange St	NS	NS	NS	NS	NS
74	COR Rees	9/5/01	12:30	GW-9-22	Yes	No

FIGURES









ATTACHMENT A

FIELD SAMPLE FORMS (Available Upon Request)

ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND LABORATORY DATA SHEETS AND LEVEL III MODIFIED QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION (Available Upon Request)